

DEPARTMENT OF TRANSPORTATION  
BUREAU OF HIGHWAYS

BOYD COUNTY  
LOUISA-BOLTSFORK-CATLETTSBURG ROAD  
KY. 3 OVER  
EAST FORK OF LITTLE SANDY RIVER

UPDATE DATE  
LETTING DATE

PLAN NUMBER: EPM  
DRAWN BY: ENGINEER: K.  
REV. NO.: DRAWING NUMBER: 1010

SCALE: 1:600  
DATE: 10-10-82  
STATION: 5+95.983  
ELEVATION: 1000.000  
TIME: 10:00 AM  
ATM: 100.000

REFERENCES AND ESTIMATE OF QUANTITIES												
Item	Unit	Concrete Cu Yds	reinforce ment Cu Yds	Cavity Content Steel Reinforcement Cu Yds	Structural Steel Lb	Lump Sum	Excavation Slope Protection Tons	Structure Excavation Cu Yds	Type II Precast I-Beams Cu Ft	End Bent Backfill Cu Yds	Steel Piles Lb	Test Piles Lin Ft
Tie Street	Yds											
General Notes												
Layout												
Total												
SUBSTRUCTURE												
Pier 1	Yds	970		12059			355	255		375	310	42
Pier 2	Yds	972		12469				216	38		20	
Abutment 1	Yds	550	220	6000			454					
Pile Layout												
Pile Removal												
Structure Totals		462	150	20454			209	471	35	623	65	
SUPERSTRUCTURE												
Standard Details	Yds	2.50						606.25				
Standard Beams	Yds	14	2.35	17050	31,243							
Concrete	Yds	5										
Elevations	Yds	101										
Superstructure Total	Yds	346.2	2.35	17050	31,243	20454	209	471	35	623	65	

(1) Approximate weight of structural steel is 5200 lbs  
(2) Lump Sum bid for End Bent backfill consists of approx. 101 Cu Yds of structure excavation (common), and 141 Cu Yds of End Bent backfill material.

REFERENCES

References listed below are the current editions and are to be used with these plans

2 Standard Drawings:

BGP-001-04, BGB-001-05, BGB-002-05, BGB-003-05, BGK-006-02,  
BFS-003-01, BFE-001-03, BFE-002-03, BW-003-03, BW-004-03,  
RBC-001-03.

BILL OF INCIDENTAL MATERIAL			
Item	Vol	Size	Location
Plastic Pipe	16	1" - 11" L-76	End Bent Shallow Wings
Styrofoam	4	3' x 2' x 1'-9"	End Bent Shallow Wings
Reinforced Cork Expansion Joint Mat	2	100 sq ft	Walls between
Reinforced Joint Sealer	2	1/2" joint	Backwalls Beams
Reinforced Cork Expansion Joint Mat	2	14' x 3' x 8'-6"	Joints between Backwall Beams
			Pier Caps 10' x 8'

KY 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET 1 OF 1

COMMONWEALTH OF KENTUCKY	
BUREAU OF HIGHWAYS	
FRANKFORT	COUNTY OF
BOYD	
LOUISA-BOLTSFORK-CATLETTSBURG-KY.3	
ROAD: KENTUCKY 3	STATE: 5+95.983
FSP: 010 003 000-001 002D	CONSTRUCTION PROJECT NO: 3RS 5248(4)
DESIGN: 1978	MAINTENANCE PROJECT NO: 19978

BRIDGE

DATE  
LETTER DATE

## GENERAL NOTES

### SPECIFICATIONS

THE KENTUCKY BUREAU OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, SHALL APPLY TO THIS PROJECT.

### DESIGN LOAD

THIS BRIDGE IS DESIGNED FOR HS20-44 LIVE LOAD, AS SPECIFIED IN 1977 AASHTO SPECIFICATIONS. THIS BRIDGE IS DESIGNED FOR A WIND LOAD BASED ON A WIND VELOCITY OF 64 MPH.

DESIGN METHOD - ALL REINFORCED CONCRETE MEMBERS ARE DESIGNED BY THE LOAD FACTOR METHOD AS SPECIFIED IN THE 1977 AASHTO SPECIFICATIONS.

### DESIGN STRESSES

FOR REINFORCED CONCRETE USE THE FOLLOWING:

CLASS A: F'c = 3600 PSI  
Fy = 60,000 PSI

CLASS AA: F'c = 3600 PSI  
Fy = 60,000 PSI

### FOR PRESTRESSED GIRDERS CONCRETE

FOR BEAMS IN ALL SPANS:  
F'c = 20,000 PSI  
Fy = 20,000 PSI  
F'c = 270,000 PSI FOR PRESTRESSING STRANDS  
Fy = 5,000 PSI  
U = 200 PSI FOR DEDUCTION  
B = 6

### FOUNDATION PRESSURE

FOOTINGS ARE DESIGNED FOR A MAXIMUM OF 7000 P.S.F.T.

### PILES

END BENT 3 PILES ARE DESIGNED FOR A MAXIMUM AXIAL LOAD OF 40 TONS AND HORIZONTAL SHEAR OF 2 TONS PER PILE. PIER 1 PILES ARE DESIGNED FOR 50 TONS AND SHEAR OF 10 TONS.

### CONCRETE

CLASS AA CONCRETE IS TO BE USED IN THE ROADWAY SLAB, BARRIERS AND IN THE PORTIONS OF THE SUBSTRUCTURE ABOVE THE TOP OF THE CAPS. CLASS AA CONCRETE IS TO BE USED IN THE SUPERSTRUCTURE BELOW THE TOP OF THE CAPS. PRESTRESSED GIRDERS CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

### PRESTRESSING REINFORCEMENT

PRESTRESSED REINFORCEMENT SHALL BE 1/2" VIALUM DIAMETER LOCATED SEVEN-INCHES STRESS RELATED STRAND CONFORMING TO THE REQUIREMENTS OF GRADE 270, AASHTO DESIGNATION, 1993, CURRENT EDITION.

### CONSTRUCTION METHOD OF PRESTRESSED BEAMS

BEAMS SHALL BE PRETENSIONED, PRECAST, AND MANUFACTURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. SEE AASHTO 1977 FOR WIND STRESS SHALL BE TRANSFERRED TO THE CONCRETE. NO FINAL END ANCHORS BE RELEASED UNTIL THE CONCRETE HAS ATTAINED A COMPRESSIVE STRENGTH AS SHOWN BY STANDARD CYLINDERS MADE AND CURED IDENTICALLY WITH THE CONCRETE, OR AT LEAST A MINIMUM STRENGTH OF 40% OF CONCRETE STRENGTH. SHALL BE NO MORE THAN ONE DAY FROM THE DAY OF CURING. AN ATTENTION POINT SHALL BE APPLIED TO EACH PRECAST BEAM AS THE END OF A STRETCH OF 100 FEET PER BEAM. WITH A MINIMUM OF SUCH LENGTH AS TO EFFECT THE STRENGTH OR RESISTANCE TO DE-ANCHORING. AN ALARM IN 1000 SHALL BE MADE FOR SHORTENING OF BEAMS DUE TO SHRINKAGE AND ELASTIC CHANGE.

THE TOP SURFACES OF BEAMS - TO BE ROUNDED TO INCREASE THE SHEAR RESISTANCE OF CONTACT SURFACES WITH THE SLAB.

### TEMPORARY SUPPORTS

TEMPORARY SUPPORTS OR SHORING WILL NOT BE PERMITTED UNDER THE GIRDERS WHEN POURING THE CONCRETE FLOOR SLAB OR WHEN TAKING TOP OF FLAT ELEVATIONS.

### SUPERSTRUCTURE SLAB

THE SUPERSTRUCTURE SLAB SHALL BE Poured CONTINUOUSLY FROM OUT TO OUT BEFORE THE CONCRETE IS ALLOWED TO SET.

### PAYMENT FOR PRESTRESSED CONCRETE BEAMS

THE BASIS OF PAYMENT FOR THE PRECAST, PRESTRESSED CONCRETE BEAMS SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT OF BEAM, IN ACCORDANCE WITH THE SPECIFICATIONS.

### ELASTOMERIC BEARING PADS

ELASTOMERIC BEARING PADS SHALL MEET THE REQUIREMENTS OF THE 1977 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, EXCEPT AS NOTED IN STANDARD DRAWING SP-101, CURRENT EDITION. THE COST OF THIS ITEM IS TO BE INCLUDED IN THE PRICE PER LINEAR FOOT FOR PRECAST/PRESTRESSED CONCRETE BEAMS.

### WELDING

THE WELDING OF THE DOWELS IN THE END OF THE PRESTRESSED BEAMS TO THE ANGLES OVER THE PIERS AND HELD IN PLACE SHALL CONFORM TO THE RECOMMENDED PRACTICES FOR WELDING REINFORCING. THE AMERICAN WELDING SOCIETY SPECIFICATION, CURRENT EDITION, NO DIRECT PAYMENT SHALL BE MADE FOR WELDING HELD MATERIAL, BUT THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PRECAST/PRESTRESSED CONCRETE BEAMS.

### DEFORMED WIRE FABRIC

DEFORMED WIRE FABRIC MAY BE USED IN THE PRECAST BEAMS IN LIEU OF REINFORCING BARS. PROVIDED AN EQUAL AREA OF STEEL IS FURNISHED. WIRE FABRIC IS TO BE DEFORMED WIRE FABRIC MADE OF COLD DRAWN WIRE CONFORMING TO AASHTO SPECIFICATION A62, CURRENT EDITION.

### REINFORCE CURING COMPOUND

WHITE PIGMENTED CURING COMPOUND SHALL BE APPLIED TO THE BRIDGE DECK IN ACCORDANCE WITH SECTION 609.15 OF THE SPECIFICATIONS.

### TEXTURING

THE BRIDGE DECK SHALL BE TEXTURED IN ACCORDANCE WITH SECTION 609.13 OF THE STANDARD SPECIFICATIONS.

### REINFORCEMENT

DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS AND CLEAR DISTANCES UNLESS OTHERWISE SHOWN. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.

### EPoxy Coated Reinforcing Steel

ALL REINFORCING BARS DESIGNATED BY SUFFIX (E) IN THE PLANS SHALL BE EPOXY COATED IN ACCORDANCE WITH KENTUCKY STANDARD SPECIFICATIONS.

### BEVELLED EDGES

ALL EXPOSED EDGES SHALL BE BEVELLED 7/8" UNLESS OTHERWISE SHOWN.

### BILL OF INCIDENTAL MATERIAL

THE QUANTITIES SHOWN IN THE BILL OF INCIDENTAL MATERIALS ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ENOUGH MATERIAL TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE COST OF THESE ITEMS IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.

### PAINT FOR STRUCTURAL STEEL

THE LUMP SUM BID FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, HELD AND HELD-IN MATERIALS, FLANGE PAINTS, PAINT AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. APPROPRIATE WEIGHT OF STRUCTURAL STEEL SHOWN IN THE ESTIMATE OF QUANTITIES DOES NOT INCLUDE OVERHANG OR HELD MATERIAL.

### PILING

PILE DRILLS SHALL BE DRIVEN TO REFUSAL OR TO SOLID ROCK. TEST PILES SHALL BE DRIVEN WHERE DESIGNATED ON THE PLANS TO DETERMINE THE LENGTH OF PILE REQUIRED. ALL TEST PILES SHALL BE ACCURATELY LOCATED SO THAT THEY MAY BE USED IN THE FINISHED STRUCTURE.

### COFFERDAMS

COFFERDAMS OR SHEETING MAY BE REQUIRED FOR PIERS. FOR THE DESIGN OF COFFERDAM, THE MINIMUM DRY EARTH PRESSURE SHALL BE ASSUMED EQUIVALENT TO 14.4 POUNDS PER SQUARE FOOT FLUID PRESSURE. THE COST OF FURNISHING, PLACING, AND REMOVING COFFERDAM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STRUCTURE EXCAVATION CONTROL.

### PLAN ELEVATION FOR FOOTINGS

WHEN SUITABLE ROCK IS ENCOUNTERED AT A DATUM ELEVATION HIGHER THAN THE PLANS ELEVATION, THE HIGHER ELEVATION MAY BE UTILIZED FOR BEARING AS OUTLINED IN THE SPECIFICATIONS. FOR FOOTINGS TO BE FOUNDED ON AN EXCAVATED SURFACE OTHER THAN ROCK, THE CONSTRUCTION PROCEDURE AS OUTLINED IN SECTION 206 IN STANDARD SPECIFICATIONS SHALL BE FOLLOWED. PARAGRAPH 2 IS EXCLUDED FROM THE PROVISIONS OF THIS NOTE.

### END BENT BACKFILL

END BENT BACKFILL SHALL BE IN ACCORDANCE WITH STD. DRAW. BGB-001, BGB-002, BGB-003, CURRENT EDITION.

### SLOPE PROTECTION

SLOPE PROTECTION SHALL BE DRY CYCLICANE STONE SLOPE PROTECTION IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

### ARMORED EDGE EXPANSION JOINTS

THE ARMORED EDGES OF EXPANSION JOINTS SHALL BE FABRICATED TO THE CONTOUR OF THE ROADWAY. THE PREFORMED JOINT MATERIAL TO BE CONTINUED IN BARRIERS TO AN ELEVATION AT LEAST 12' ABOVE THE FINISHED ROADWAY.

PAYMENT FOR STEEL IN THE EXPANSION JOINTS AND THE PREFORMED EXPANSION JOINT MATERIAL TO BE INCLUDED IN THE LUMP SUM BID FOR STRUCTURAL STEEL.

### DRAIN DETAILS

FOUNDRIES NOTE - ALL DRAINS SHALL BE GRAY IRON CASTINGS, ASTM A40, CURRENT EDITION, CLASS 304, REPORT OF FIELD INSPECTION OF CASTINGS, CURRENT FORM, SHALL BE SUBMITTED TO THE DIVISION OF MATERIALS. THE DRAINS SHALL BE 6" X 8" STANDARD HEIGHT IN ACCORDANCE WITH SUB-SECTION 810.02.13 OF THE SPECIFICATIONS. PIPE, FITTINGS AND CONNECTIONS SHALL BE INCLUDED IN THE LUMP SUM BID FOR STRUCTURAL STEEL, COMPLETE IN PLACE. PIPE AND ALL FITTINGS SHALL BE PAINTED IN ACCORDANCE WITH SECTION 607.25 OF THE SPECIFICATIONS.

### PAINT

ALL STRUCTURAL STEEL SHALL BE CLEANED AND PAINTED IN ACCORDANCE WITH SECTION 607.25 OF THE SPECIFICATIONS.

### STYROFOAM FORM FOR DIAPHRAGM KEYS

A STYROFOAM PAD SHALL BE USED, IN FORMING THE DIAPHRAGM KEY, THAT IS SUFFICIENTLY BIG ENOUGH TO BE LEFT ON THE CONCRETE IN THE DIAPHRAGM KEY AFTER THE STYROFOAM PAD IS REMOVED. THE STYROFOAM PAD SHALL BE OF SUFFICIENT STRENGTH AND WITHIN THE WEIGHT OF THE WET CONCRETE WITHOUT DEFLECTION IN EXCESS OF 25%. TO DETERMINE SIZE FOR THE STYROFOAM PAD, EXERT A FORCE OF 5 PSI AT 25% DEFLECTION. A STYROFOAM SAMPLE, ACCOMPANIED BY A STATEMENT GIVING THE HEIGHT OF THE WET CONCRETE WHICH HAS TO BE PLACED ON TOP OF THE STYROFOAM, SHALL BE SUBMITTED TO THE DIRECTOR OF THE MATERIALS DIVISION, BUREAU OF HIGHWAYS, FRANKFORT, KENTUCKY, FOR TESTING AND APPROVAL. THE STYROFOAM SHALL NOT BE PLACED UNTIL IT HAS BEEN APPROVED BY THE DIVISION OF MATERIAL TESTING LABORATORY. WHEN THE CONCRETE IN THE DIAPHRAGM HAS SET, THE STYROFOAM SHALL BE REMOVED.

### CONSTRUCTION IDENTIFICATION

THE NAMES OF THE PRIME CONTRACTOR AND THE SUB-CONTRACTOR SHALL BE IMPRINTED IN THE CONCRETE WITH ONE INCH LETTERS AT A LOCATION DESIGNATED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL PLANS, EQUIPMENT AND LABOR NECESSARY TO DO THE WORK FOR WHICH NO DIRECT PAYMENT WILL BE MADE.

### SHOP PLANS

SHOP PLANS SHALL BE IN ACCORDANCE WITH SUB-SECTION 605.08 PART A OF THE SPECIFICATIONS. ADDITIONALLY, SHOP PLANS SHALL INCLUDE AN OUTLINE OF THE PROPOSED TENSIONING AND DETENSIONING PROCEDURE FOR THE DRAPED STRANDS. SHOP PLANS SHALL ALSO INCLUDE A DIAGRAM OF THE CASTING BED LAYOUT. WHEN PULL-DOWN METHOD IS USED THE JACKING FORCE FOR DRAPED STRANDS TOGETHER WITH APPROPRIATE COMPUTATIONS SHALL ALSO BE SUBMITTED BY THE FABRICATOR.

KY 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET 2

COMMONWEALTH OF KENTUCKY

FRANKFORT

COUNTY OF

BOYD

LOUISA-BOLTSFORK-CATLETTSBURG-KY3

ROAD KY 3


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FSP. 010 003-000-001 0120

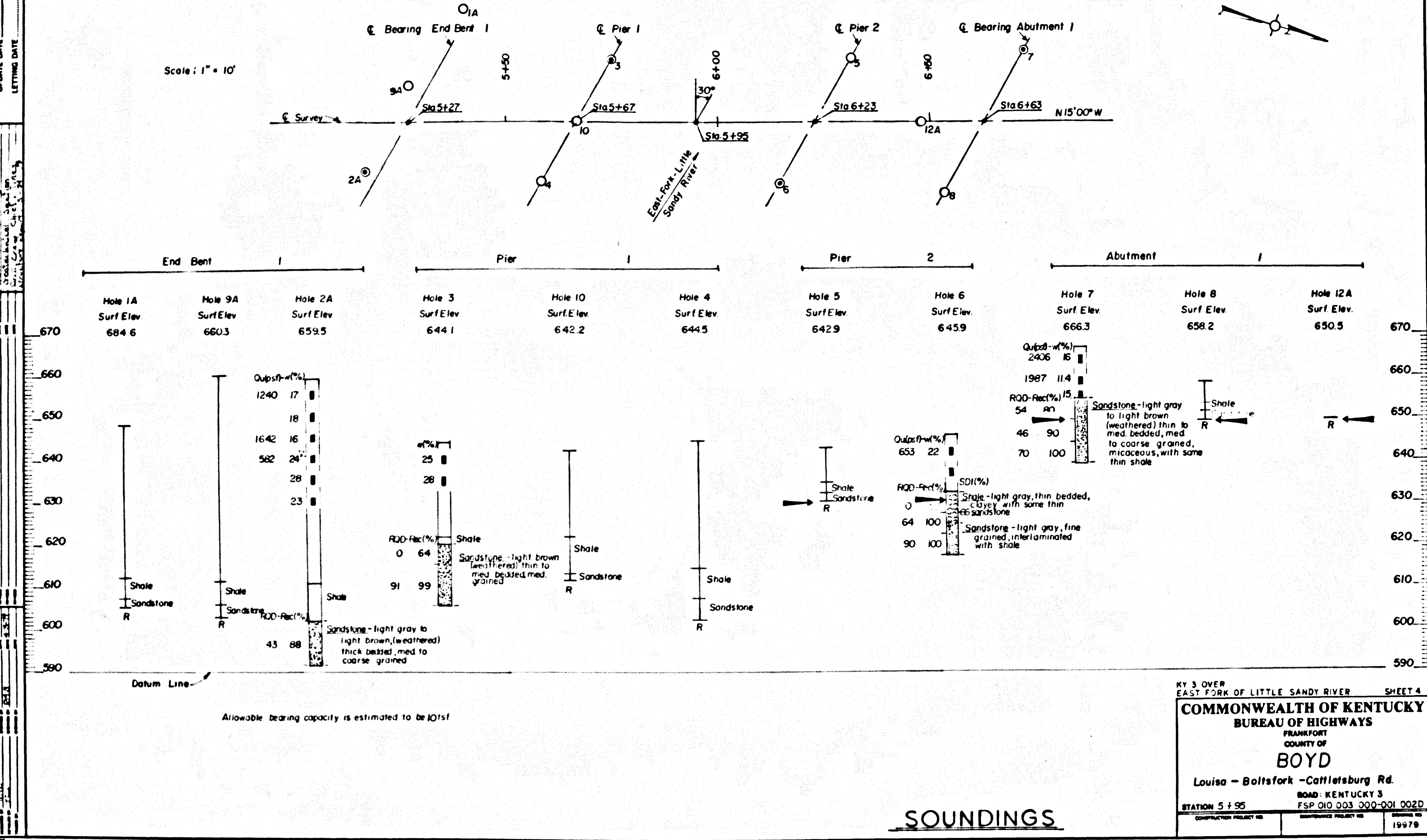
CONTRACTOR PROJECT NO. 14479

## GENERAL NOTES

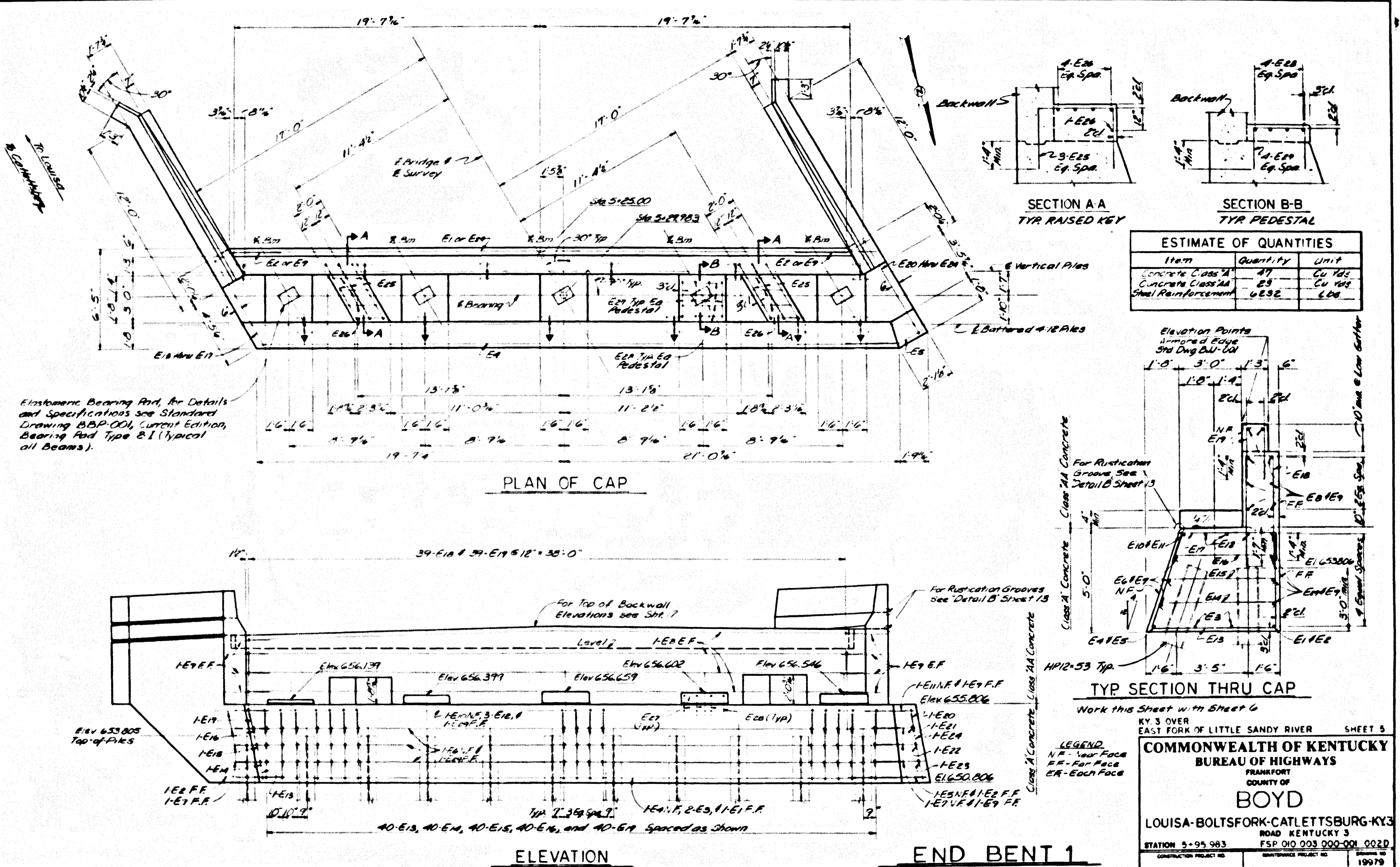
BRIDGE




# SUBSURFACE DATA



UPDATE DATE  
LETTING DATE










UPDATE DATA

UPDATE DAY



K.Y. 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET 9

**COMMONWEALTH OF KENTUCKY**  
**BUREAU OF HIGHWAYS**

FRANKFORT  
COUNTY OF

**BOYD**

**LOUISA-BOLTSFORK-CATLETTSBURG-KY. 3**

ROAD: KENTUCKY 3

FSP 010 003 000-001 002D

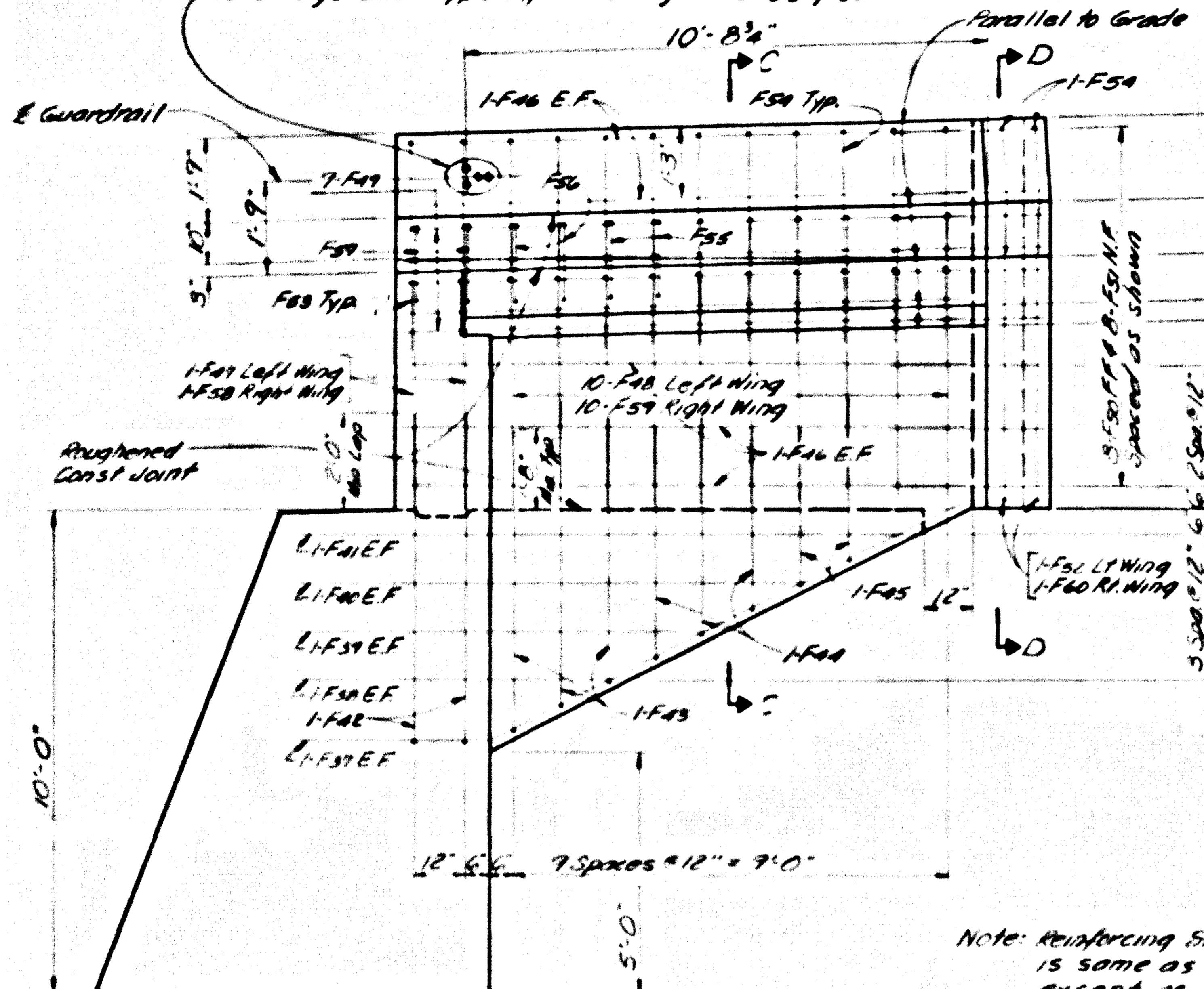
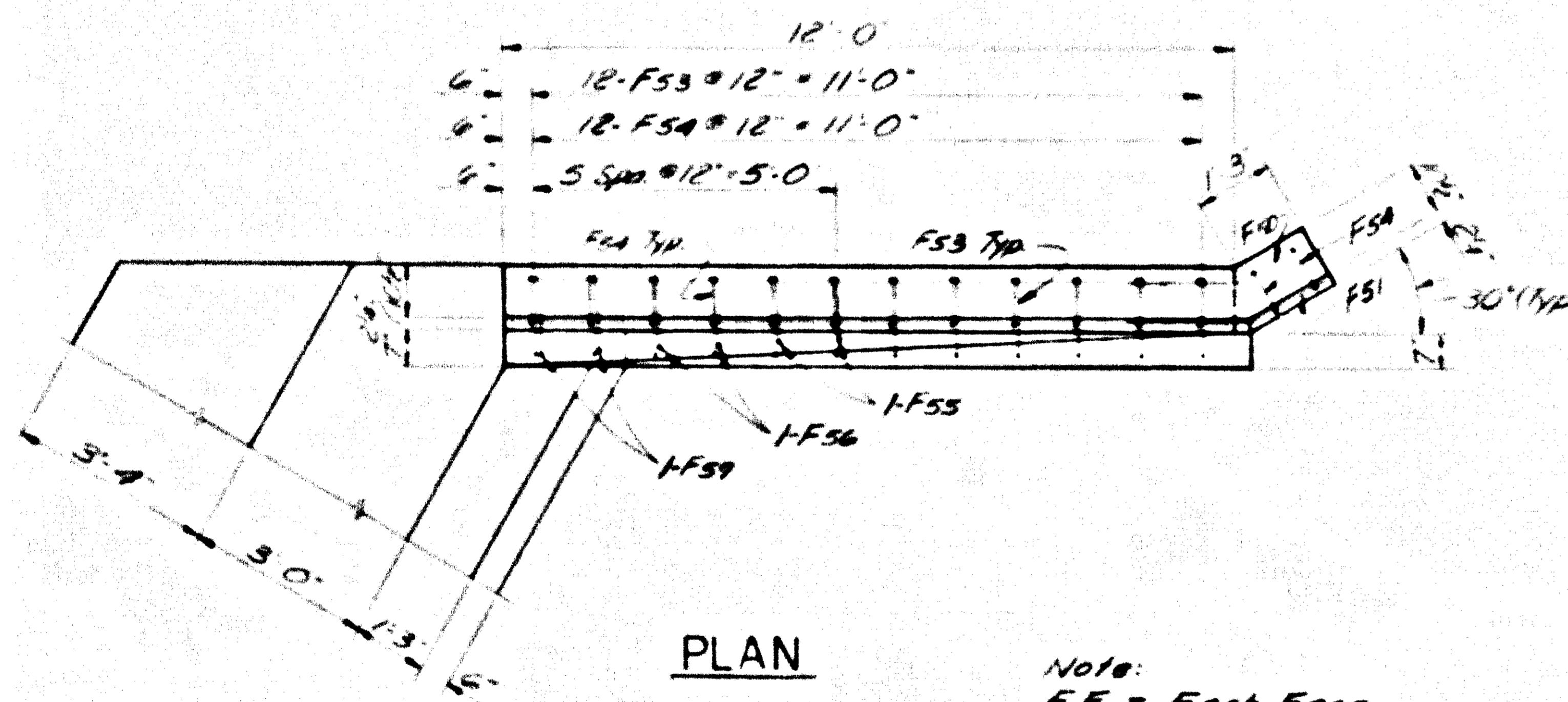
STATION 5 + 35 983

CONSTRUCTION PROJECT NO	MANUFACTURE PROJECT NO	COMPLETION NO
100070	100070	100070

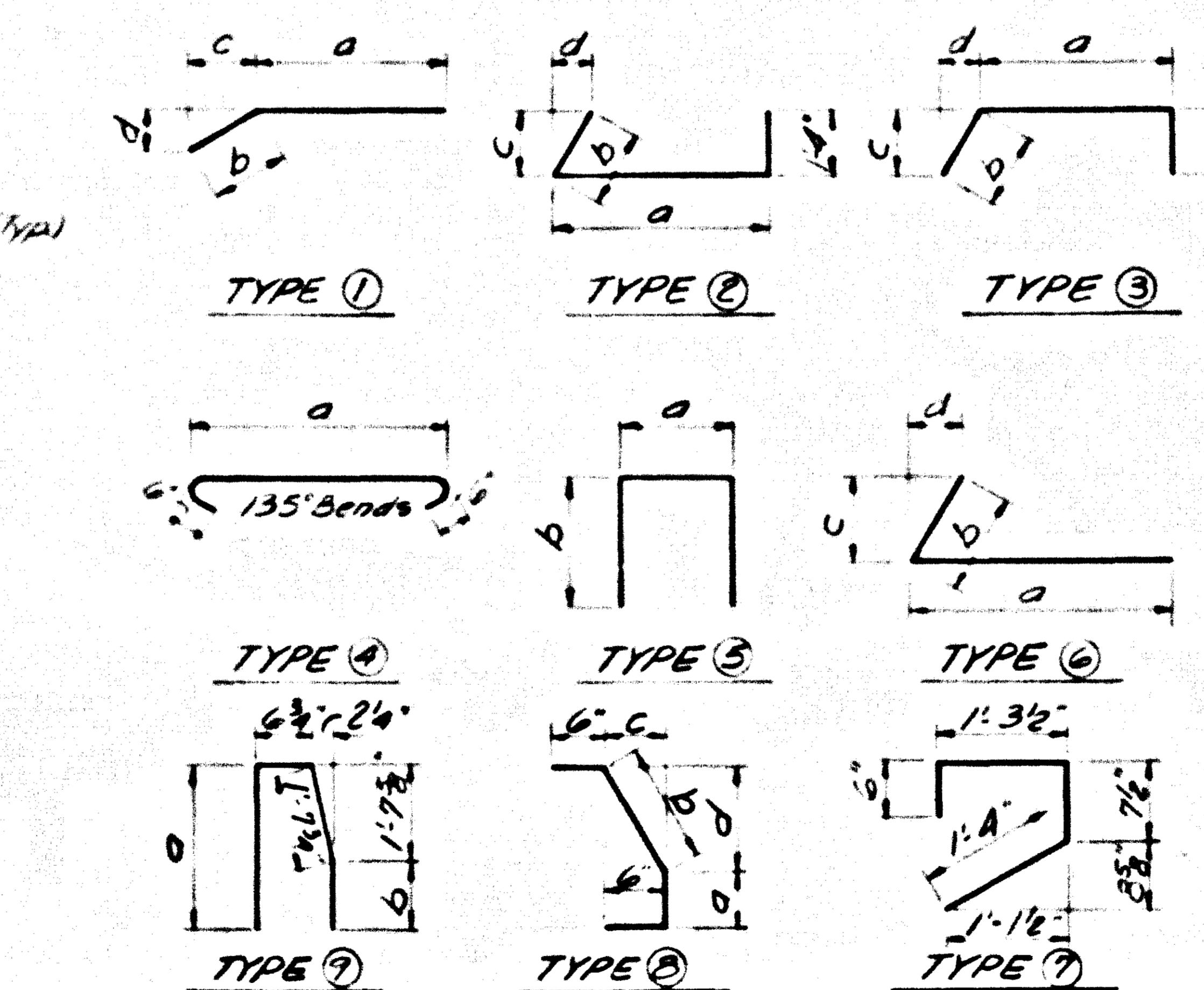
UPDATE DATE

LEAVING DATE

Note: Form 1" holes through Barrier Curb perpendicular to traffic side of Barrier Curb, with 1" ID Plastic Pipe which shall remain in place after fabrication. For details and specifications see Roadway Plans, Guardrail Connector to Bridge End Type A, Std. Drawg. RBC-001, current edition.

WING ELEVATION  
(LEFT WING SHOWN)

NOTE:  
EF = Each Face  
FF = Far Face  
NF = Near Face



Work this Sheet with Sheet 9

ABUTMENT 1

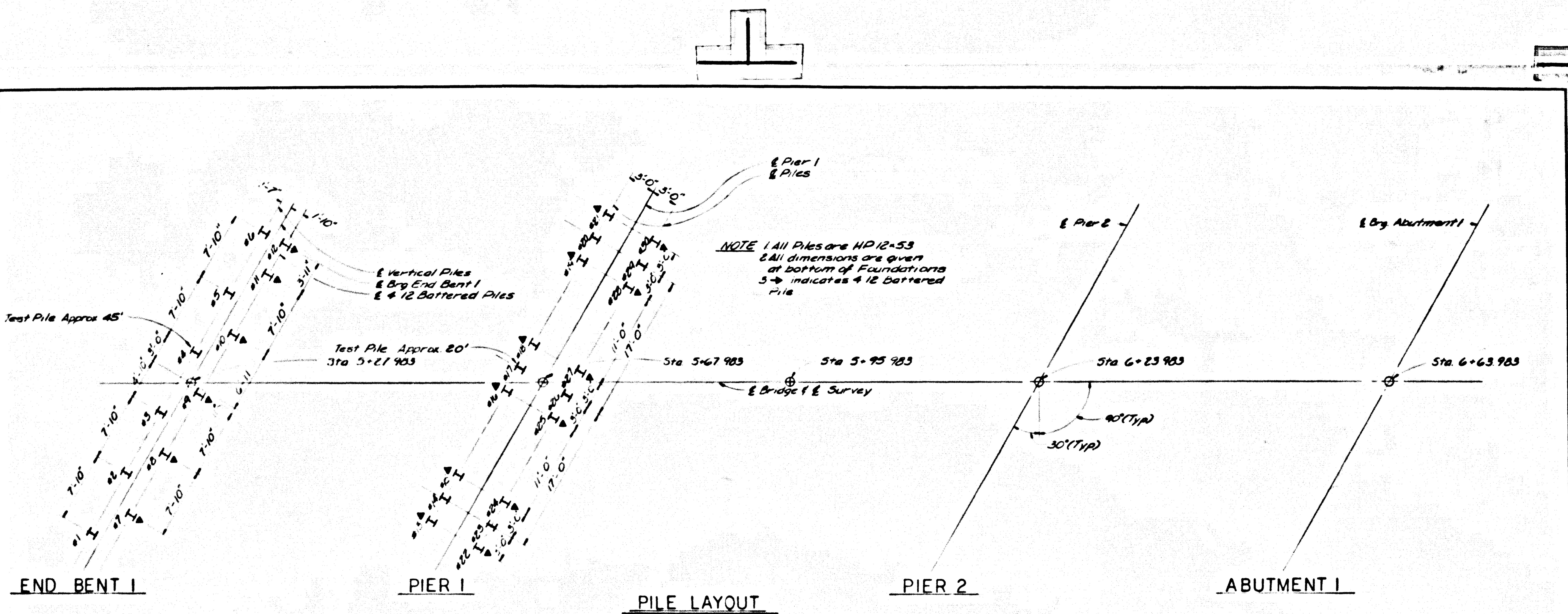
**BRIDGE**

**BILL OF REINFORCEMENT**

MARK	TYPE	NO.	SIZE	LENGTH FT. IN.	LOCATION	a	b	c	d	
						FT. IN.	FT. IN.	FT. IN.	FT. IN.	
F1	SAT	E	6	10' 10"	COP	1	7	1	6	
F2	SAT	3	6	3' 1"						
F3	SAT	7	6	42' 6"						
F4	SAT	1	6	3' 11"						
F5	SAT	6	5	41' 5"						
F6	SAT	9	5	40' 11"						
F7	SAT	30	5	2' 7"	COP & Backwall	1	9	1	6	
F8	SAT	16	5	6' 9"	COP	6	10	0	0	
F9	SAT	3	5	6' 9"						
F10	SAT	26	5	10' 4"						
F11	SAT	31	5	10' 0"						
F12	SAT	32	5	7' 5"						
F13	SAT	27	5	11' 4"						
F14	SAT	1	5	5' 8"						
F15	SAT	1	5	10' 10"						
F16	SAT	1	5	6' 8"						
F17	SAT	1	5	5' 5"						
F18	SAT	1	5	8' 7"						
F19	SAT	1	5	11' 2"						
F20	SAT	1	5	8' 0"						
F21	SAT	1	5	6' 0"						
F22	SAT	1	5	10' 7"						
F23	SAT	1	5	6' 5"						
F24	SAT	1	5	5' 5"						
F25	SAT	1	5	8' 7"						
F26	SAT	1	5	11' 2"						
F27	SAT	1	5	8' 0"						
F28	SAT	1	5	6' 0"						
F29	SAT	1	5	10' 7"						
F30	SAT	1	5	6' 5"						
F31	SAT	1	5	11' 3"						
F32	SAT	1	5	6' 0"						
F33	SAT	1	5	10' 9"						
F34	SAT	1	5	6' 0"						
F35	SAT	1	5	10' 8"						
F36	SAT	1	5	6' 0"						
F37	SAT	1	5	15' 0"						
F38	SAT	1	5	6' 0"						
F39	SAT	1	5	6' 0"						
F40	SAT	1	5	10' 6"						
F41	SAT	1	5	12' 2"						
F42	SAT	1	5	13' 10"						
F43	SAT	1	5	10' 7"						
F44	SAT	1	5	12' 4"						
F45	SAT	1	5	11' 10"						
F46	SAT	1	5	12' 0"						
F47	SAT	1	5	12' 0"						
F48	SAT	1	5	12' 0"						
F49	SAT	1	5	12' 0"						
F50	SAT	1	5	12' 0"						
F51	SAT	1	5	12' 0"						
F52	SAT	1	5	12' 0"						
F53	SAT	1	5	12' 0"						
F54	SAT	1	5	12' 0"						
F55	SAT	1	5	12' 0"						
F56	SAT	1	5	12' 0"						
F57	SAT	1	5	12' 0"						
F58	SAT	1	5	12' 0"						
F59	SAT	1	5	12' 0"						
F60	SAT	1	5	12' 0"						
					Wingwall					

KY. 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET 10  
**COMMONWEALTH OF KENTUCKY**  
BUREAU OF HIGHWAYS  
FRANKFORT  
COUNTY OF  
**BOYD**  
LOUISA-BOLTSFORK-CATLETTSBURG-KY.3  
ROAD: KENTUCKY 3  
STATION 5+95.983 FSP 010 003 000-001 0020  
CONSTRUCTION PROJECT NO. 19979

UPDATE DATE  
LETTING DATE



PILE RECORD				
END BENT 1				
Pile No	Cut-off Elevation as shown on Plans	Tip of Pile Elevation as Driven	Pile Length in Place Lin Ft	Calculated Bearing Capacity Tons
1	-653.000			
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12	653.000			
PIER 1				
Pile No	Cut-off Elevation as shown on Plans	Tip of Pile Elevation as Driven	Pile Length in Place Lin Ft	Calculated Bearing Capacity Tons
13	628.954			
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30	628.954			

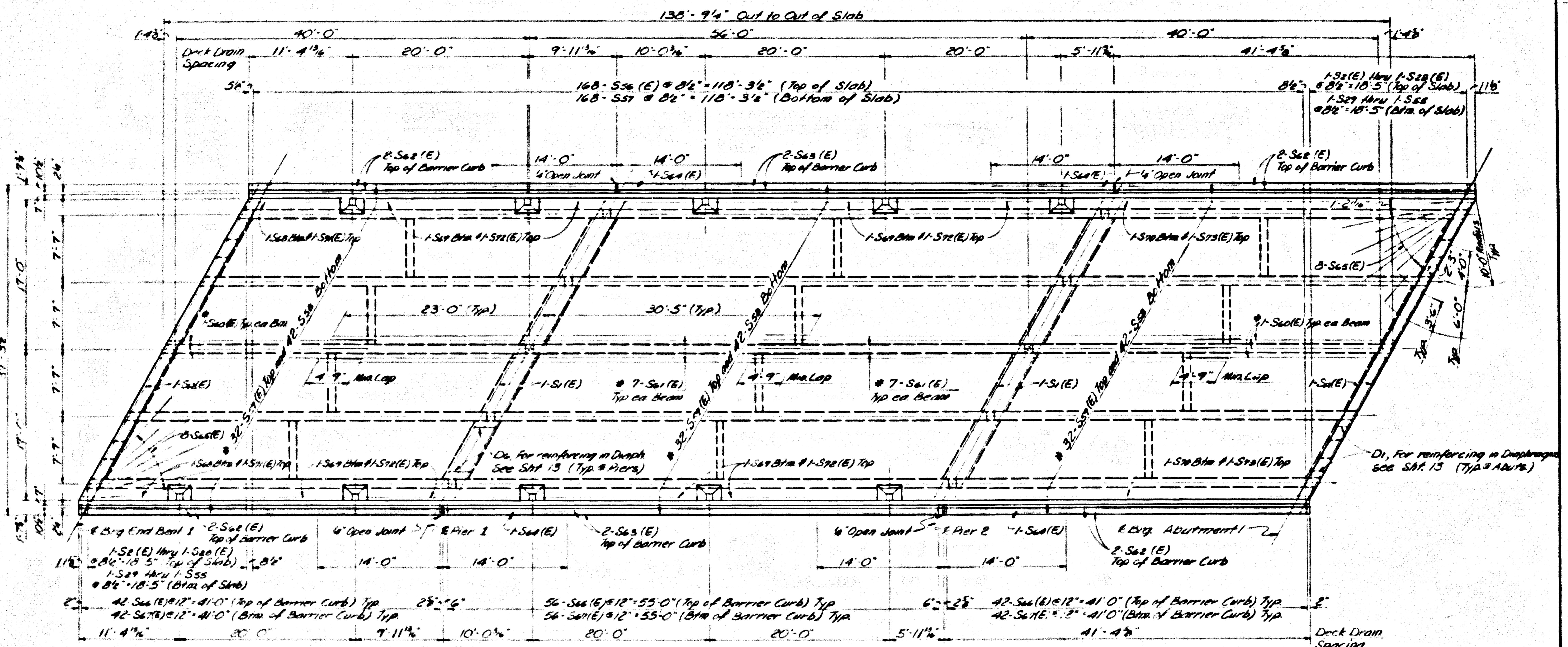
NOTE: After all piles have been driven, the Resident Engineer shall record for each pile: the tip-of-pile elevation as driven, the length of pile in place, and the calculated bearing capacity and shall return one blueprint copy of this sheet with this data to the Director of the Division of Bridges so that the data may be recorded on the original plans. Lengths of piles in place shown herein are the actual lengths of piles in the finished structure below cut-off elevation. This pile record does not replace other records of piles required to be kept and submitted by the Resident Engineer.

PILE LAYOUT AND  
PILE RECORD

KY 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET II  
COMMONWEALTH OF KENTUCKY  
BUREAU OF HIGHWAYS  
FRANKFORT  
COUNTY OF  
BOYD  
LOUISA-BOLTSFORK-CATLETSBURG-KY.3  
STATION 5+95 983 ROAD: KENTUCKY 3  
FSP 010 003 000-001 002D  
CONSTRUCTION PROJECT NO. MAINTENANCE PROJECT NO.  
DRAWING NO. 19979

BRIDGE

UPDATE DATE



### Note\*

1. Tanned Bars S65(E) are to be placed beneath the longitudinal and transverse reinforcement in the top of slab.
  2. Place D-S65(E) bars at 12" center to center on radial line. Typical each acute corner at end of slab.

## SLAB PLAN

**Note:** Reinforcing bars designated (E) shall be Epoxy Coated in accordance with Kentucky Standard Specifications.

**Note:**  
Reinforcing bars designated (E) shall  
be Epoxy Coated in accordance with  
Kentucky Standard Specifications.

KY. 3 OVER  
EAST FORK OF LITTLE SANDY RIVER      SHEET 12

**COMMONWEALTH OF KENTUCKY**  
**BUREAU OF HIGHWAYS**

FRANKFORT  
COUNTY OF  
**BOYD**

**LOUISA-BOLTSFORK-CATLETTSBURG-KY3**

ROAD: KENTUCKY 3

STATION 5 + 95 983      FSP 010 003 000-001 002D

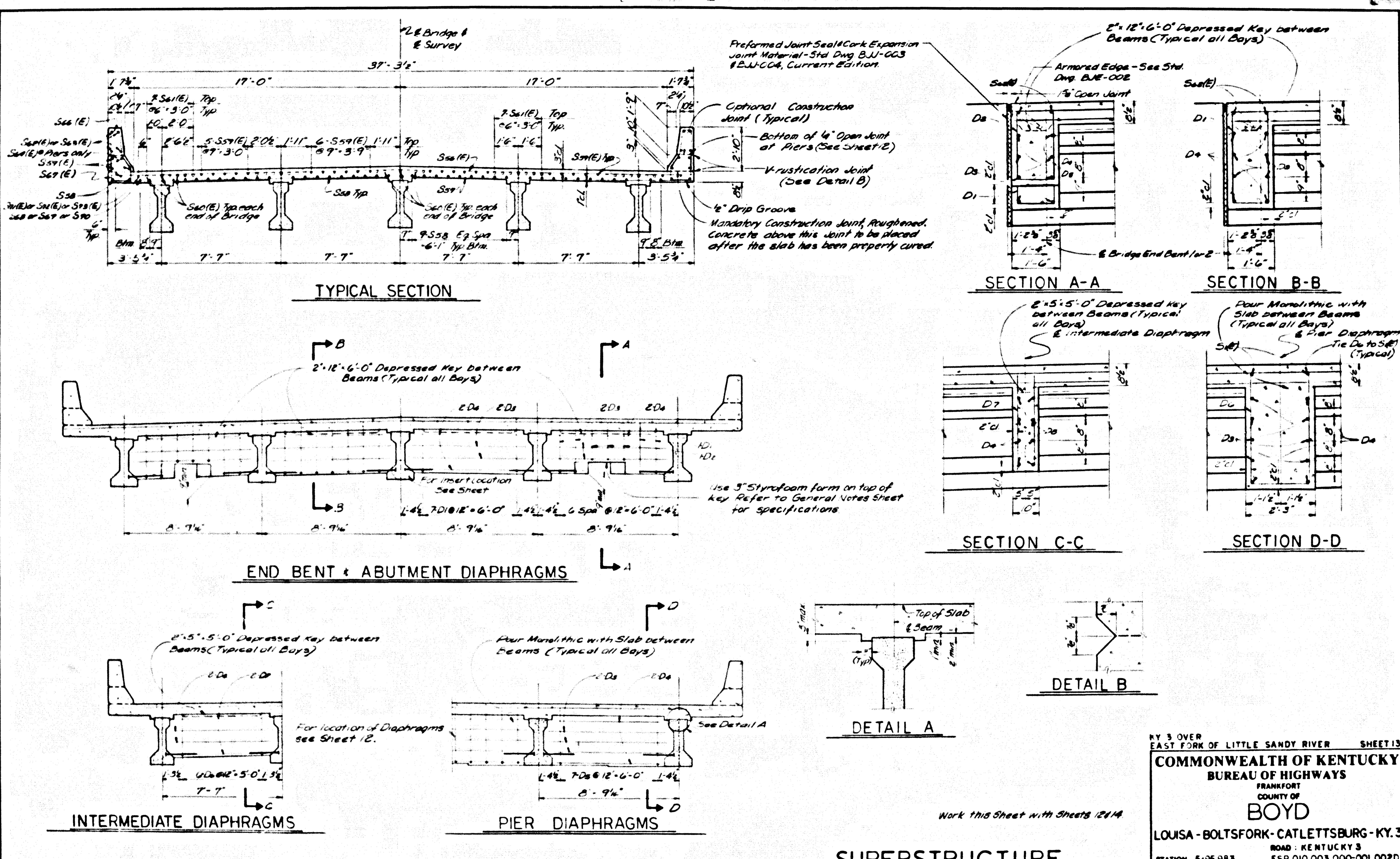
CONSTRUCTION PROJECT NO	Maintenance Project No	DRAWING NO
		19979

# SUPERSTRUCTURE

# BRIDGE

UPDATE DATE

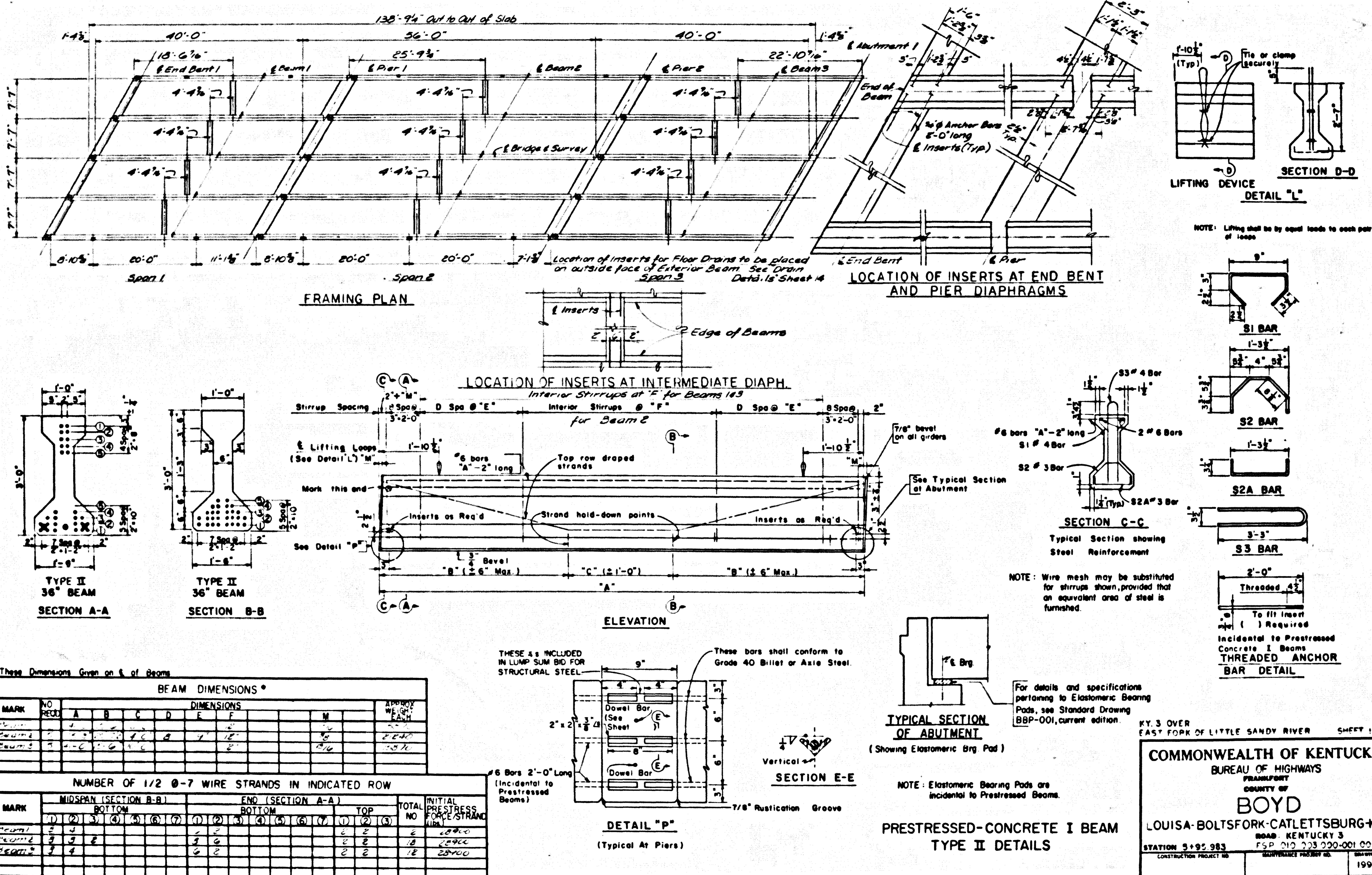
LETTING DATE



## BILL OF REINFORCEMENT

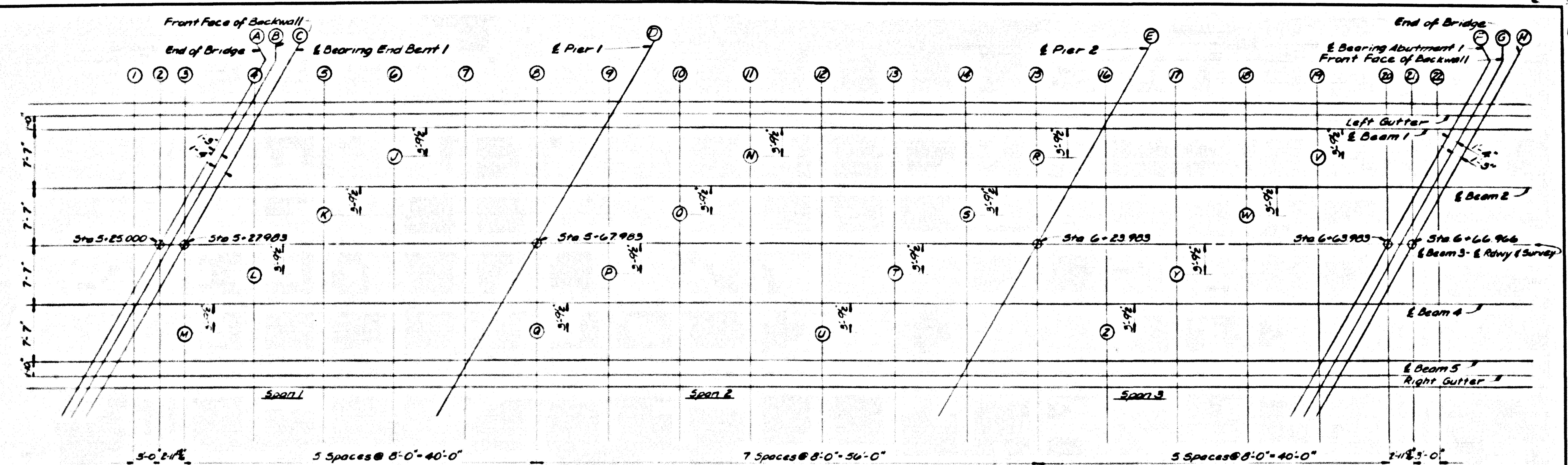
MARY	TYPE	NO.	SIZE	LENGTH FT. IN	LOCATION	a b c d			
						FT. IN	FT. IN	FT. IN	FT. IN
S4	ST	1	#3	39 5	Top of Slab @ Pier				
S4	ST	2	#6	2 11	Top of Slab				
S4	ST	3	#4	4					
S4	ST	4	#5	4					
S4	ST	5	#6	6					
S4	ST	6	#7	7					
S4	ST	7	#9	10					
S4	ST	8	#10	9					
S4	ST	9	#11	6					
S4	ST	10	#12	8					
S4	ST	11	#13	11					
S4	ST	12	#15	2 5					
S4	ST	13	#16	17					
S4	ST	14	#17	7					
S4	ST	15	#18	10					
S4	ST	16	#19	9					
S4	ST	17	#20	6					
S4	ST	18	#21	4					
S4	ST	19	#22	6					
S4	ST	20	#23	9					
S4	ST	21	#24	6					
S4	ST	22	#25	0					
S4	ST	23	#26	3					
S4	ST	24	#27	6					
S4	ST	25	#28	9					
S4	ST	26	#29	10					
S4	ST	27	#30	9					
S4	ST	28	#31	6					
S4	ST	29	#32	11					
S4	ST	30	#33	8					
S4	ST	31	#34	5					
S4	ST	32	#35	7					
S4	ST	33	#36	0					
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S4	ST	35	#38	4					
S4	ST	36	#39	10					
S4	ST	37	#40	9					
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S4	ST	54	#57	1					
S4	ST	55	#58	5					
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S4	ST	57	#60	1					
S4	ST	58	#61	5					
S4	ST	59	#62	4					
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S4	ST	122	#125	2					
S4	ST	123	#126	1					
S4	ST	124	#127	5					
S4	ST	125	#128	4					
S4	ST	126	#129	1					
S4	ST	127	#130	5					
S4	ST	128							

ETIQUETTE

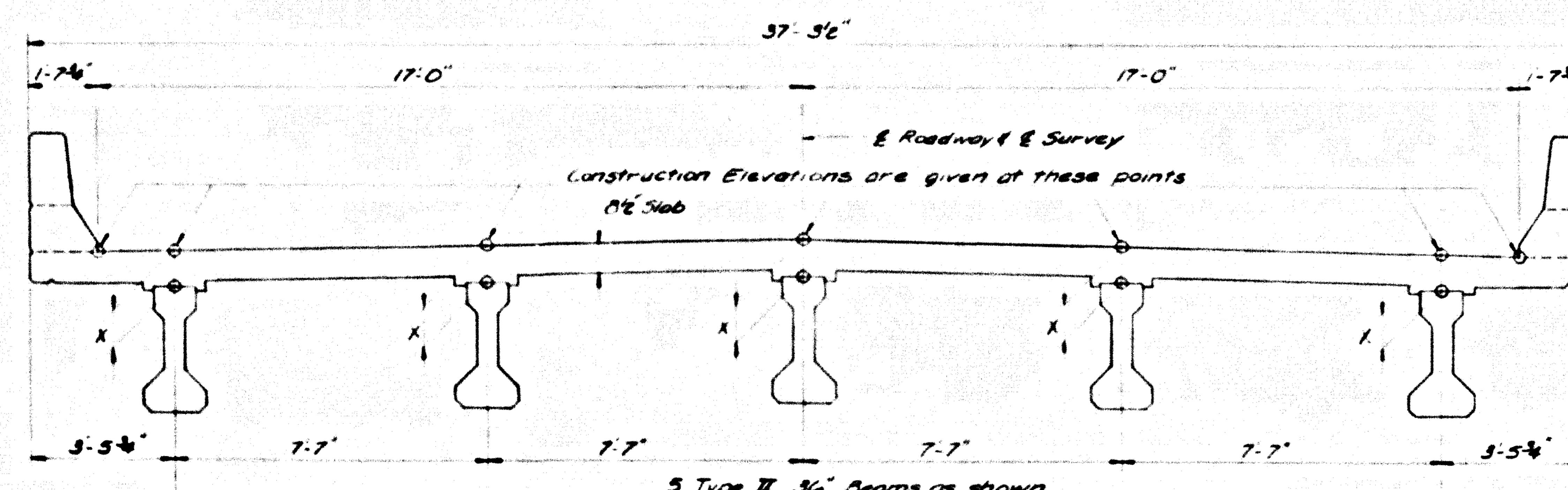


**JUDGE**

UPDATE DATE  
LETTING DATE



PLAN



TYPICAL SECTION

* CHECK POINT ELEVATIONS FOR SLAB THICKN'S			
POINT	TOP OF SLAB ELEVATION	BOTTOM OF SLAB ELEVATION	COMPUTED SLAB THICKNESS
J	661.055		
K	661.055		
L	660.896		
M	660.547		
N	662.089		
O	662.051		
P	661.853		
Q	661.495		
R	662.797		
S	662.783		
T	662.609		
U	662.275		
V	663.538		
W	663.505		
Y	663.519		
Z	662.974		

KY 3 OVER  
EAST FORK OF LITTLE SANDY RIVER SHEET 16  
COMMONWEALTH OF KENTUCKY  
BUREAU OF HIGHWAYS  
FRANKFORT  
COUNTY OF  
BOYD  
LOUISA-BOLTSFORK-CATLETSBURG-KY3  
ROAD: KENTUCKY 3  
STATION 5+95.983 FPS 010.000.000-0020  
CONSTRUCTION PROJECT NO. MAINTENANCE PROJECT NO.  
DRAWING NO. 19979

CONSTRUCTION ELEVATIONS

BRIDGE

UPDATING DATE

LETTING DATE

LOCATION	LEFT GUTTER	CONSTRUCTION ELEVATIONS										RIGHT GUTTER				
		BEAM 1			BEAM 2			BEAM 3			BEAM 4					
		CONST ELEV	TOP OF BEAM	DIMEN X		CONST ELEV	TOP OF BEAM	DIMEN X		CONST ELEV	TOP OF BEAM	DIMEN X		CONST ELEV	TOP OF BEAM	DIMEN X
LINE A	-60.179	-60.179			60.179	-60.051	-60.051		-60.044	-60.044	-60.044		-60.035	-60.035	-60.035	
LINE B	-60.625	-60.625			60.625	-60.706	-60.706		-60.470	-60.470	-60.470		-60.25	-60.25	-60.25	
LINE C	-60.261	-60.261			60.261	-60.117	-60.117		-60.148	-60.148	-60.148		-60.274	-60.274	-60.274	
LINE 1									-60.476	-60.476	-60.476		-60.383	-60.383	-60.383	
LINE 2									60.679	60.679	60.679		-60.397	-60.397	-60.397	
LINE 3	-60.044	-60.044			60.044	-60.007	-60.007		-60.042	-60.042	-60.042		-60.471	-60.471	-60.471	
LINE 4	-60.040	-60.040			60.040	-60.001	-60.001		-60.041	-60.041	-60.041		-60.426	-60.426	-60.426	
LINE 5	-60.001	-60.001			60.001	-60.191	-60.191		-61.54	-61.54	-61.54		-60.049	-60.049	-60.049	
LINE 6	-60.999	-60.999			60.999	-60.190	-60.190		-61.190	-61.190	-61.190		-61.027	-61.027	-61.027	
LINE 7	-61.104	-61.104			61.104	-61.571	-61.571		-61.599	-61.599	-61.599		-61.000	-61.000	-61.000	
LINE 8	-61.56	-61.56			61.56	-61.555	-61.555		-61.572	-61.572	-61.572		-61.565	-61.565	-61.565	
LINE 9	-61.577	-61.577			61.577	-61.48	-61.48		-61.585	-61.585	-61.585		-61.183	-61.183	-61.183	
LINE 10	-61.576	-61.576			61.576	-61.487	-61.487		-61.592	-61.592	-61.592		-61.687	-61.687	-61.687	
LINE 11	-61.791	-61.791			61.791	-61.965	-61.965		-62.05	-62.05	-62.05		-61.982	-61.982	-61.982	
LINE 12	-61.905	-61.905			61.905	-62.360	-62.360		-62.366	-62.366	-62.366		-61.983	-61.983	-61.983	
LINE 13	-61.861	-61.861			61.861	-62.367	-62.367		-62.379	-62.379	-62.379		-62.154	-62.154	-62.154	
LINE 14	-62.256	-62.256			62.256	-62.741	-62.741		-62.663	-62.663	-62.663		-62.310	-62.310	-62.310	
LINE 15	-62.254	-62.254			62.254	-62.747	-62.747		-62.822	-62.822	-62.822		-62.462	-62.462	-62.462	
LINE 16	-62.465	-62.465			62.465	-62.767	-62.767		-62.855	-62.855	-62.855		-62.465	-62.465	-62.465	
LINE 17	-62.874	-62.874			62.874	-62.944	-62.944		-62.944	-62.944	-62.944		-62.486	-62.486	-62.486	
LINE 18	-62.874	-62.874			62.874	-63.034	-63.034		-63.034	-63.034	-63.034		-62.558	-62.558	-62.558	
LINE 19	-63.267	-63.267			63.267	-63.247	-63.247		-63.482	-63.482	-63.482		-63.221	-63.221	-63.221	
LINE 20	-63.265	-63.265			63.265	-63.249	-63.249		-63.481	-63.481	-63.481		-63.393	-63.393	-63.393	
LINE 21	-63.544	-63.544			63.544	-63.45	-63.45		-63.945	-63.945	-63.945		-63.546	-63.546	-63.546	
LINE 22	-63.546	-63.546			63.546	-63.45	-63.45		-63.946	-63.946	-63.946		-63.546	-63.546	-63.546	
LINE 23	-63.547	-63.547			63.547	-63.45	-63.45		-63.947	-63.947	-63.947		-63.547	-63.547	-63.547	
LINE 24	-63.547	-63.547			63.547	-63.45	-63.45		-63.948	-63.948	-63.948		-63.548	-63.548	-63.548	
LINE 25	-63.547	-63.547			63.547	-63.45	-63.45		-63.949	-63.949	-63.949		-63.549	-63.549	-63.549	
LINE 26	-63.547	-63.547			63.547	-63.45	-63.45		-63.950	-63.950	-63.950		-63.550	-63.550	-63.550	
LINE 27	-63.547	-63.547			63.547	-63.45	-63.45		-63.951	-63.951	-63.951		-63.551	-63.551	-63.551	
LINE 28	-63.547	-63.547			63.547	-63.45	-63.45		-63.952	-63.952	-63.952		-63.552	-63.552	-63.552	
LINE 29	-63.547	-63.547			63.547	-63.45	-63.45		-63.953	-63.953	-63.953		-63.553	-63.553	-63.553	
LINE 30	-63.547	-63.547			63.547	-63.45	-63.45		-63.954	-63.954	-63.954		-63.554	-63.554	-63.554	
LINE 31	-63.547	-63.547			63.547	-63.45	-63.45		-63.955	-63.955	-63.955		-63.555	-63.555	-63.555	
LINE 32	-63.547	-63.547			63.547	-63.45	-63.45		-63.956	-63.956	-63.956		-63.556	-63.556	-63.556	
LINE 33	-63.547	-63.547			63.547	-63.45	-63.45		-63.957	-63.957	-63.957		-63.557	-63.557	-63.557	
LINE 34	-63.547	-63.547			63.547	-63.45	-63.45		-63.958	-63.958	-63.958		-63.558	-63.558	-63.558	
LINE 35	-63.547	-63.547			63.547	-63.45	-63.45		-63.959	-63.959	-63.959		-63.559	-63.559	-63.559	
LINE 36	-63.547	-63.547			63.547	-63.45	-63.45		-63.960	-63.960	-63.960		-63.560	-63.560	-63.560	
LINE 37	-63.547	-63.547			63.547	-63.45	-63.45		-63.961	-63.961	-63.961		-63.561	-63.561	-63.561	
LINE 38	-63.547	-63.547			63.547	-63.45	-63.45		-63.962	-63.962	-63.962		-63.562	-63.562	-63.562	
LINE 39	-63.547	-63.547			63.547	-63.45	-63.45		-63.963	-63.963	-63.963		-63.563	-63.563	-63.563	
LINE 40	-63.547	-63.547			63.547	-63.45	-63.45		-63.964	-63.964	-63.964		-63.564	-63.564	-63.564	
LINE 41	-63.547	-63.547			63.547	-63.45	-63.45		-63.965	-63.965	-63.965		-63.565	-63.565	-63.565	
LINE 42	-63.547	-63.547			63.547	-63.45	-63.45		-63.966	-63.966	-63.966		-63.566	-63.566	-63.566	
LINE 43	-63.547	-63.547			63.547	-63.45	-63.45		-63.967	-63.967	-63.967		-63.567	-63.567	-63.567	
LINE 44	-63.547	-63.547			63.547	-63.45	-63.45		-63.968	-63.968						